



## BELT

Compact size and high performance in item-level tagging

SMARTRAC's Belt inlays and tags are designed for global retail, industry and supply chain applications with excellent performance, including in close coupling environments.

Belt inlays and tags have a compact 76mm / 3 inch form factor, which can be easily converted into end-application usage, and are available in dry, wet and paper tag delivery formats. They are with the NXP UCODE G2iL chip that offers unique TID and is available with NXP UCODE G2iL and G2iL+ IC platforms.

Belt with the NXP UCODE G2iL IC, used in retail applications, is included on the approved inlay list for boxed electronics by the RFID Research Center of the University of Auburn, and complies with categories A, B, D, G, M and Q. Furthermore, it meets GS1 Tagged-Item Performance Protocol (TIPP) Tagged-Item Gradings M10B S15B, M15B S15B and M20D S15D for the retail supply chain, retailers and suppliers.

SMARTRAC's inlays and tags are compliant with ISO 9001:2008 Quality Management and ISO 14001:2004 Environmental Management, which ensure a reliable and state-of-the-art product that meets a variety of application needs, especially in the retail environment.

### Overview

#### Operating Frequency

860 - 960 MHz

#### Integrated Circuit (IC)

NXP UCODE G2iL

#### Antenna Size

70 x 14 mm (2.7 x 0.6 in)

#### Die-cut Size

73 x 17 mm (2.9 x 0.7 in)

### International Standards

- ▶ EPC Class 1 Gen 2
- ISO 18000-6C

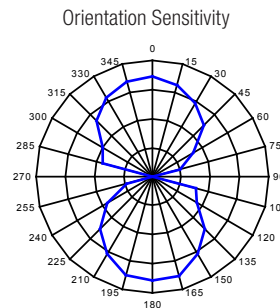
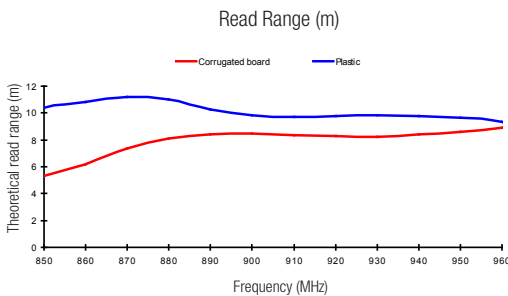
### Application Areas

- ▶ Brand Protection
- ▶ Industry
- ▶ Retail
- ▶ Supply Chain Management

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IC + Memory	Size	Format	Sales Code
NXP UCODE G2iL	70 x 14 mm / 2.7 x 0.6 in	Dry	3001962
128 bit EPC	73 x 17 mm / 2.9 x 0.7 in	Wet	3001963
	73 x 17 mm / 2.9 x 0.7 in	Paper Tag	3001964
Web Width	80 mm / 3.15 in		
Operating Temperature	-40 °C to +85 °C / -40 °F to +185 °F		
Adhesive	Acrylic, water borne adhesive		
Qty/Reel	5,000 pcs / 15,000 pcs		
Core Size	76 mm / 3 in		
Shelf Life	+20 °C, 50 % RH / 68 °F, 50 % RH - minimum 2 years from the date of manufacturing		



All the graphs are indicative; performance in real life applications may vary. The data has been determined based on calculations for transmitters with a 2W ERP output power level.

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